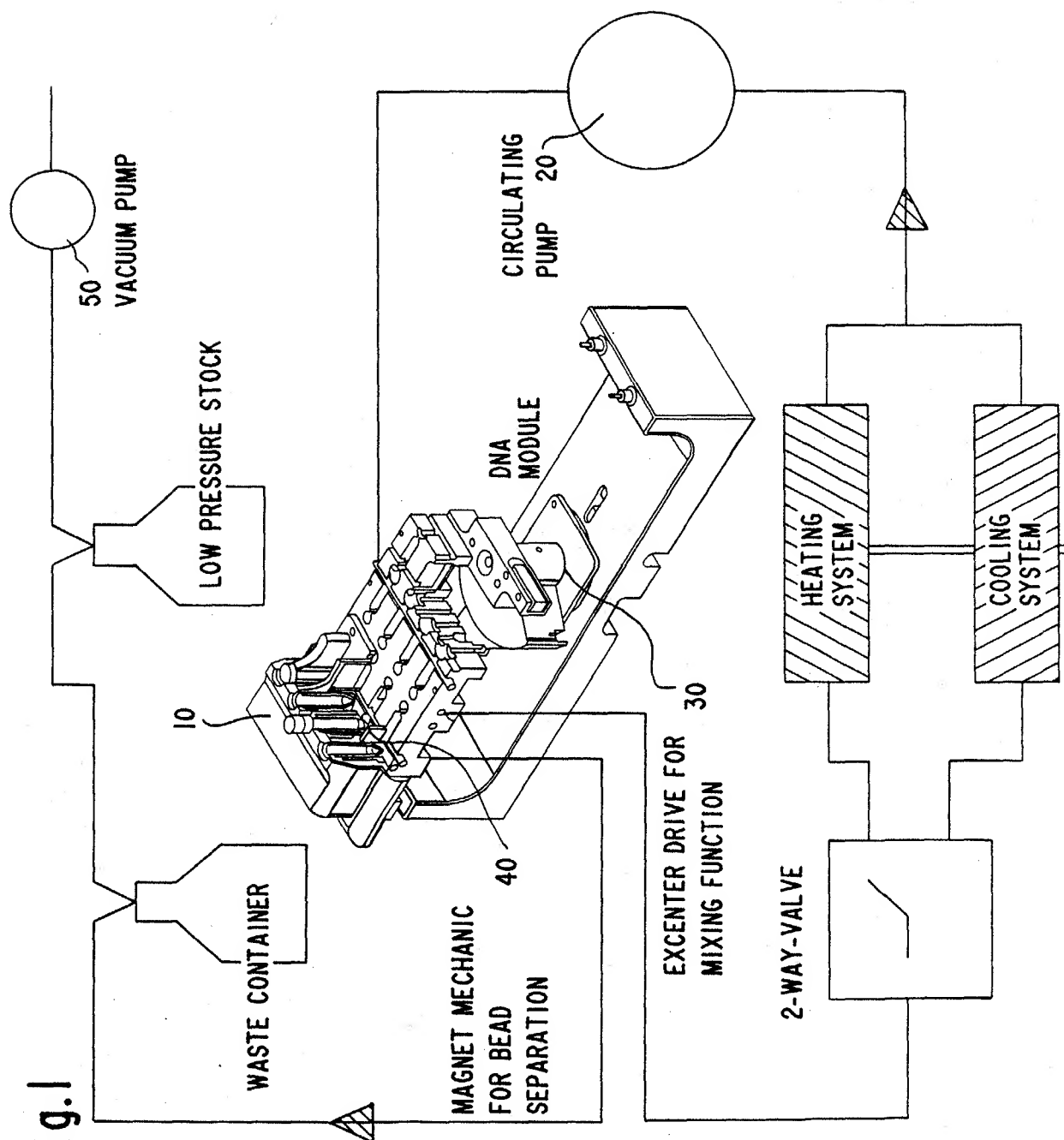


The diagram illustrates a fluid handling system for a DNA microarray. The system includes a **WASTE CONTAINER** and a **LOW PRESSURE STOCK** reservoir, both connected to a manifold. A **VACUUM PUMP** (50) is connected to the manifold. The manifold leads to a **DNA MODULE** (10) which is mounted on a **MAGNET MECHANIC FOR BEAD SEPARATION** (40). The DNA module is connected to a **CIRCULATING PUMP** (20). The pump is connected to a **HEATING SYSTEM** and a **COOLING SYSTEM**. A **2-WAY-VALVE** is connected to the heating and cooling systems. The valve is controlled by an **EXCENTER DRIVE FOR MIXING FUNCTION** (30).



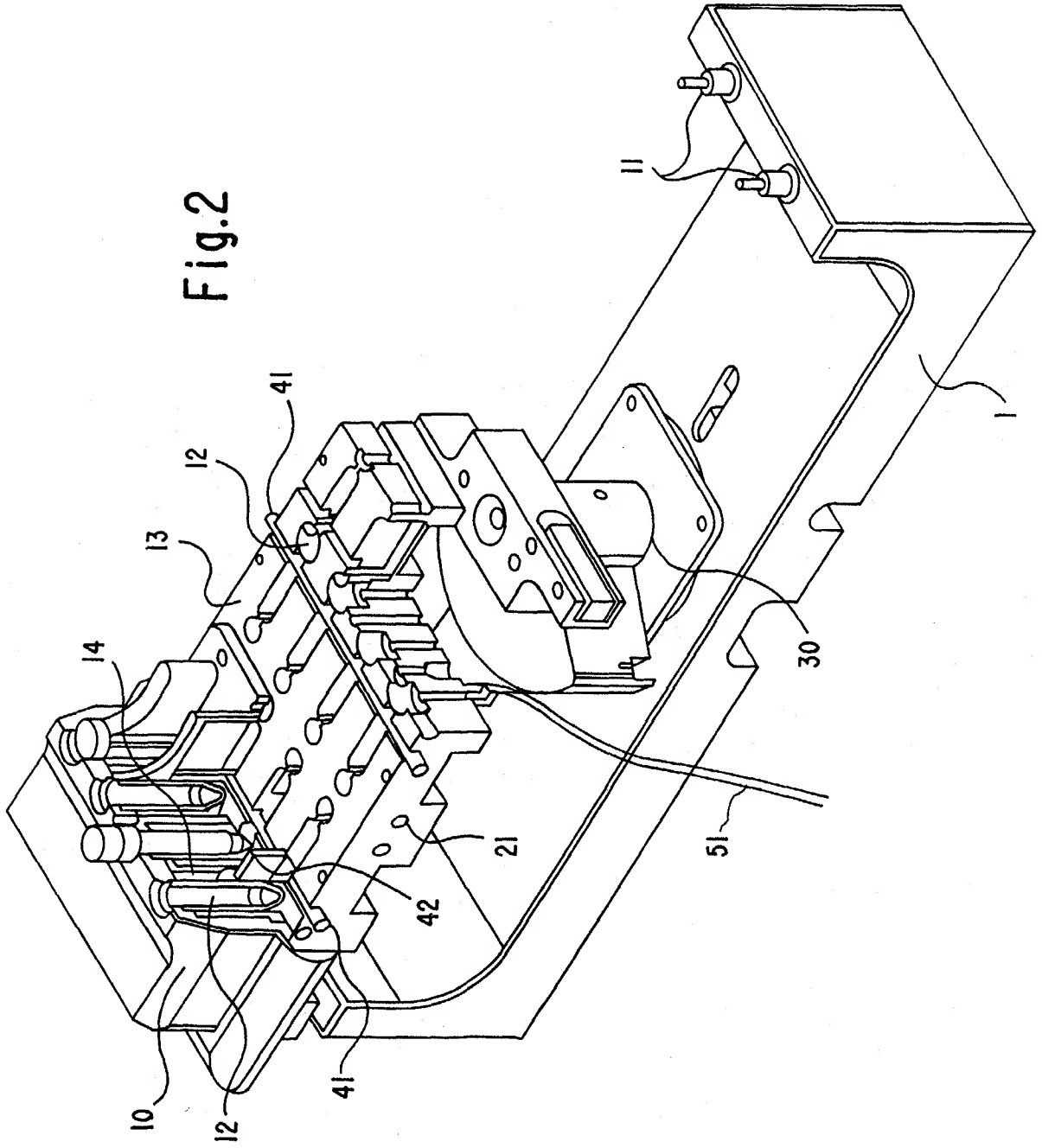
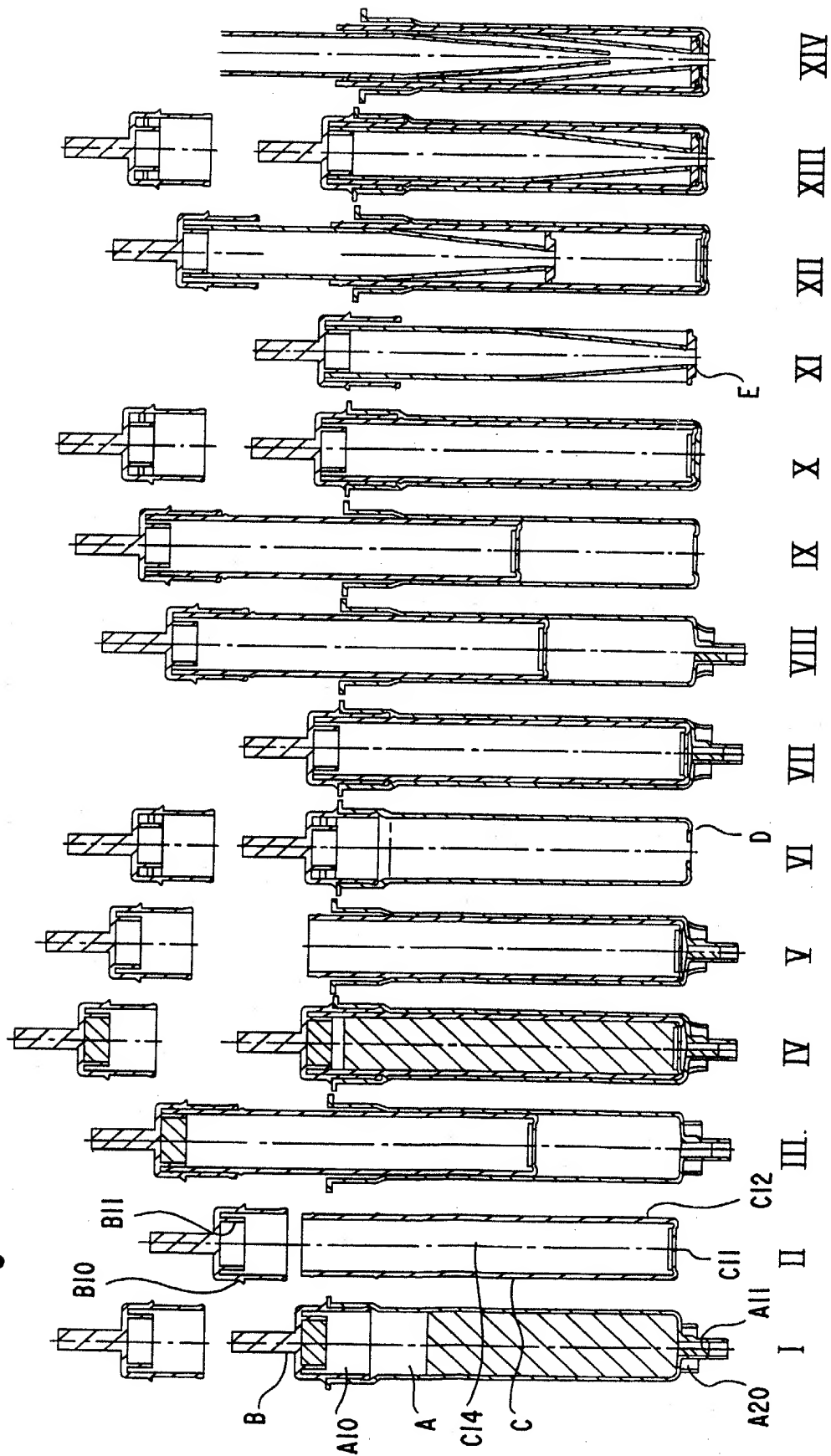


Fig.2

Fig.3



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Fig.4

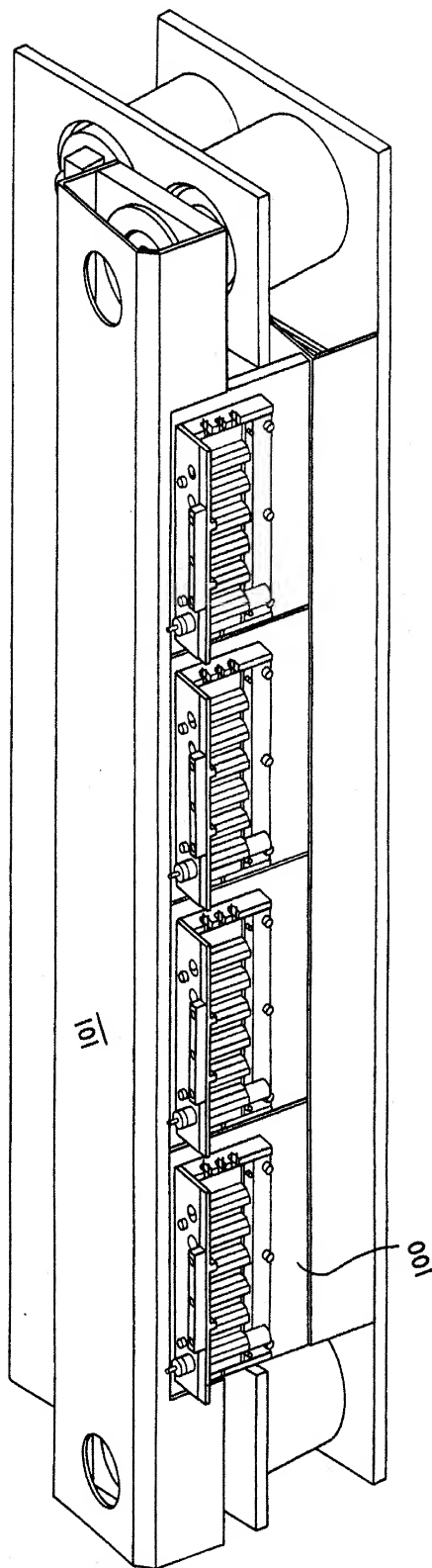


Fig.5

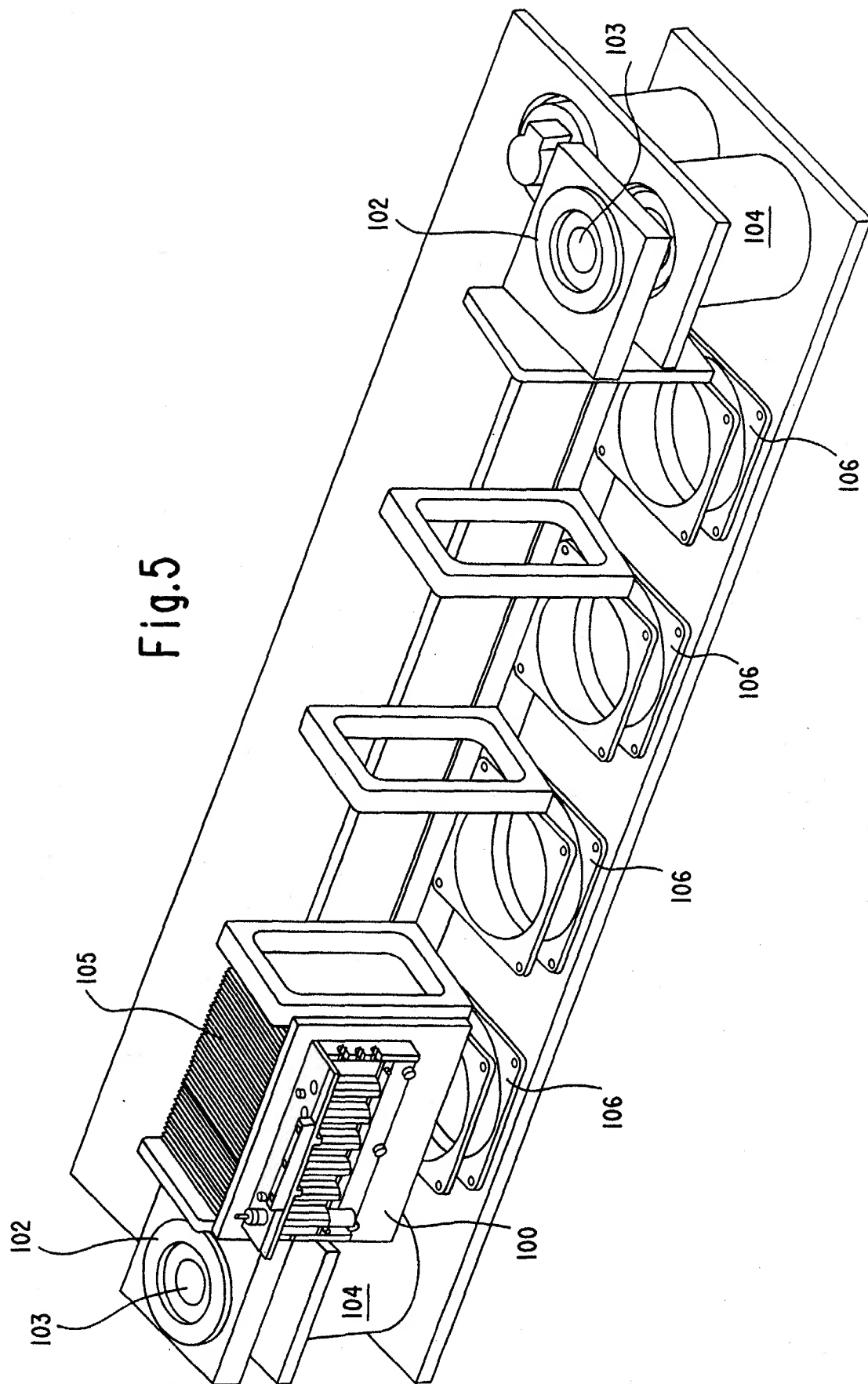


Fig.6

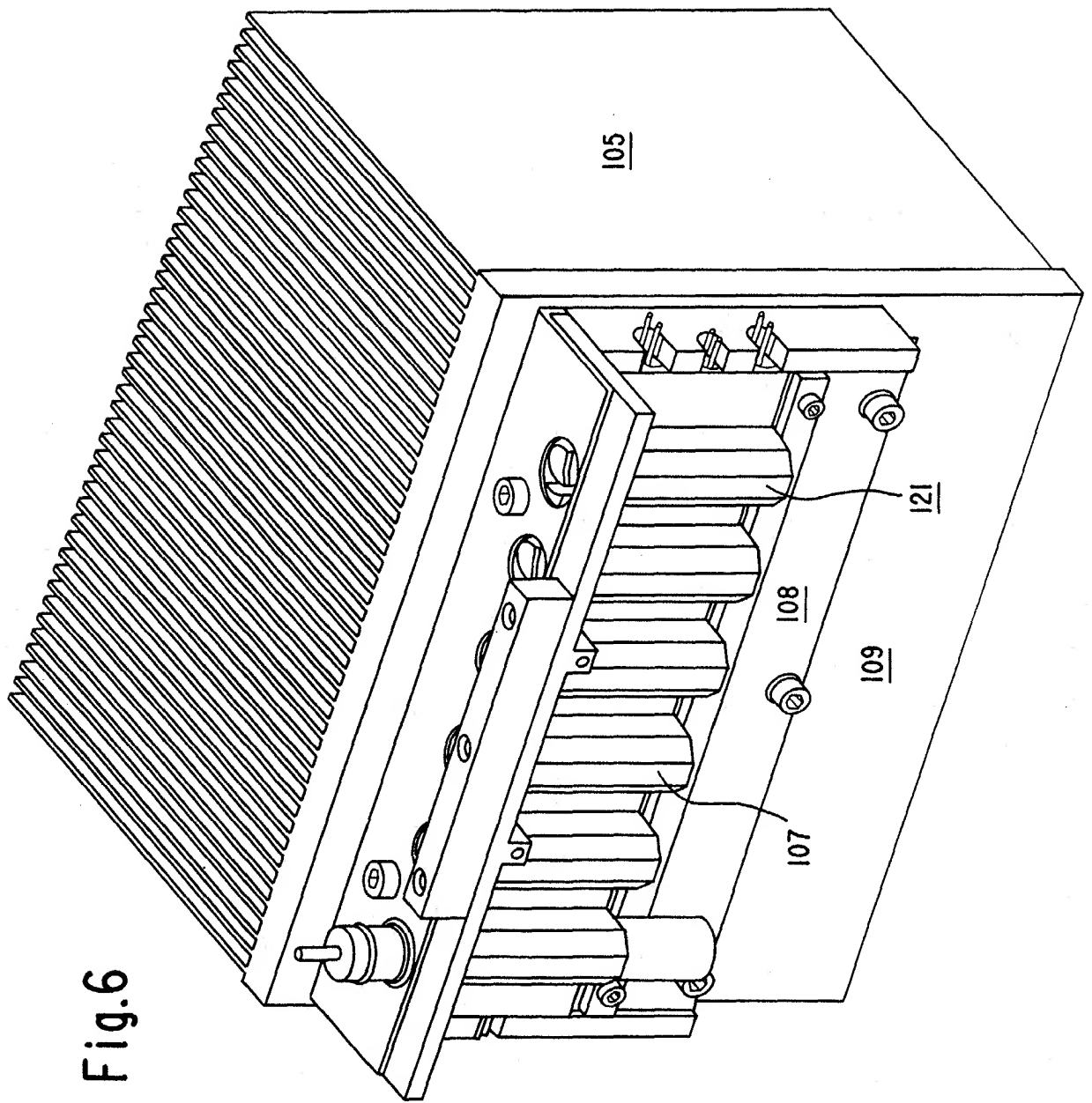
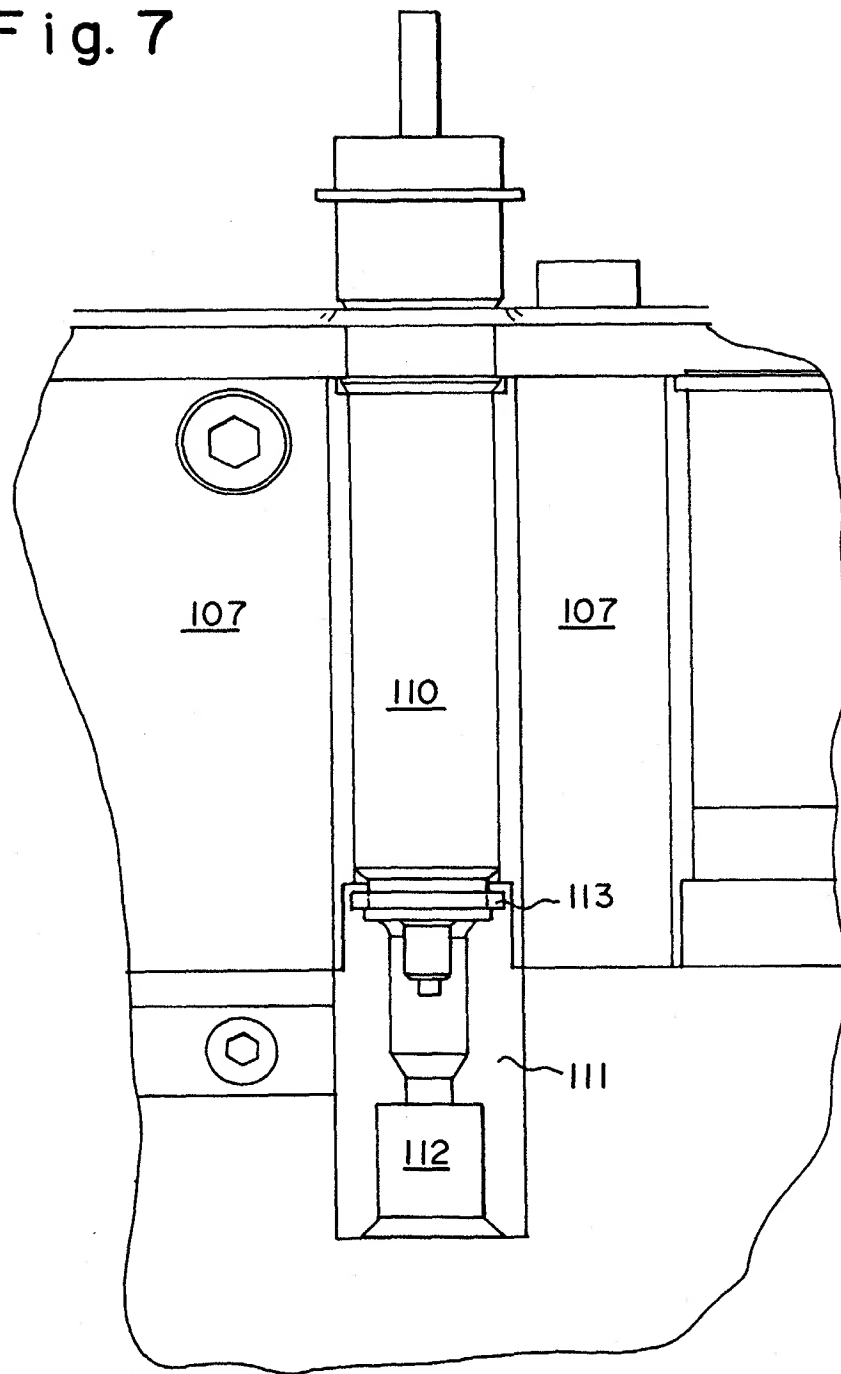


Fig. 7



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